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NEWS	4	DEC 08	INPADOC: Legal Status data reloaded
NEWS	5	SEP 29	DISSABS now available on STN
NEWS	6	OCT 10	PCTFULL: Two new display fields added
NEWS	7	OCT 21	BIOSIS file reloaded and enhanced
NEWS	8	OCT 28	BIOSIS file segment of TOXCENTER reloaded and enhanced
NEWS	9	NOV 24	MSDS-CCOHS file reloaded
NEWS	10	DEC 08	CABA reloaded with left truncation
NEWS	11	DEC 08	IMS file names changed
NEWS	12	DEC 09	Experimental property data collected by CAS now available in REGISTRY
NEWS	13	DEC 09	STN Entry Date available for display in REGISTRY and CA/CAPLUS
NEWS	14	DEC 17	DGENE: Two new display fields added
NEWS	15	DEC 18	BIOTECHNO no longer updated
NEWS	16	DEC 19	CROPU no longer updated; subscriber discount no longer available
NEWS	17	DEC 22	Additional INPI reactions and pre-1907 documents added to CAS databases
NEWS	18	DEC 22	IFIPAT/IFIUDB/IFICDB reloaded with new data and search fields
NEWS	19	DEC 22	ABI-INFORM now available on STN
NEWS	20	JAN 27	Source of Registration (SR) information in REGISTRY updated and searchable
NEWS	21	JAN 27	A new search aid, the Company Name Thesaurus, available in CA/CAPLUS
NEWS	22	FEB 05	German (DE) application and patent publication number format changes
NEWS	23	MAR 03	MEDLINE and LMEDLINE reloaded
NEWS	24	MAR 03	MEDLINE file segment of TOXCENTER reloaded
NEWS	25	MAR 03	FRANCEPAT now available on STN
NEWS EXPRESS			MARCH 5 CURRENT WINDOWS VERSION IS V7.00A, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0jb(JP), AND CURRENT DISCOVER FILE IS DATED 3 MARCH 2004
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NEWS LOGIN			Welcome Banner and News Items
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=> FIL .ELIZ

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Refine Search

Search Results -

Terms	Documents
L1 not L2	36

Database:

US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search:

L3

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Recall Text



Clear

Interrupt

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DATE: Sunday, March 07, 2004 [Printable Copy](#) [Create Case](#)

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<i>DB=USPT,USOC,EPAB,JPAB,DWPI; PLUR=YES; OP=ADJ</i>			
<u>L3</u>	l1 not L2	36	<u>L3</u>
<u>L2</u>	L1 with human	3	<u>L2</u>
<u>L1</u>	mannosyl transferase	39	<u>L1</u>

END OF SEARCH HISTORY

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=> S MANNOSYL TRANSFERASE
L1 718 MANNOSYL TRANSFERASE

=> S SACCHAROMYCES AND ALG9
L2 47 SACCHAROMYCES AND ALG9

=> S L2 AND L1
L3 7 L2 AND L1

=> DUP REM L3
PROCESSING COMPLETED FOR L3
L4 1 DUP REM L3 (6 DUPLICATES REMOVED)

=> D

L4 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
AN 96293493 MEDLINE
DN PubMed ID: 8692962
TI Stepwise assembly of the lipid-linked oligosaccharide in the endoplasmic
reticulum of ***saccharomyces*** cerevisiae: identification of the
ALG9 gene encoding a putative ***mannosyl***
transferase
AU Burda P; te Heesen S; Brachat A; Wach A; Dusterhoft A; Aebi M
CS Mikrobiologisches Institut, ETH Zurich, Switzerland.
SO Proceedings of the National Academy of Sciences of the United States of
America, (1996 Jul 9) 93 (14) 7160-5.
Journal code: 7505876. ISSN: 0027-8424.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-X96417; GENBANK-Z49909
EM 199608
ED Entered STN: 19960911
Last Updated on STN: 19960911
Entered Medline: 19960829

L4 ANSWER 1 OF 1 MEDLINE on STN DUPLICATE 1
AB The core oligosaccharide Glc3Man9GlcNAc2 is assembled at the membrane of the endoplasmic reticulum on the lipid carrier dolichyl pyrophosphate and transferred to selected asparagine residues of nascent polypeptide chains. This transfer is catalyzed by the oligosaccharyl transferase complex. Based on the synthetic phenotype of the oligosaccharyl transferase mutation wbp1 in combination with a deficiency in the assembly pathway of the oligosaccharide in *Saccharomyces cerevisiae*, we have identified the novel *ALG9* gene. We conclude that this locus encodes a putative *mannosyl transferase* because deletion of the gene led to accumulation of lipid-linked Man6GlcNAc2 in vivo and to hypoglycosylation of secreted proteins. Using an approach combining genetic and biochemical techniques, we show that the assembly of the lipid-linked core oligosaccharide in the lumen of the endoplasmic reticulum occurs in a stepwise fashion.

=> S L1 AND HUMAN
10 FILES SEARCHED...
L5 53 L1 AND HUMAN

=> DUP REM L5
PROCESSING COMPLETED FOR L5
L6 27 DUP REM L5 (26 DUPLICATES REMOVED)

=> D 1-10

L6 ANSWER 1 OF 27 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2004-00858 BIOTECHDS
TI Producing methylotroph yeast that expresses mammalian sugar chains by disrupting the OCH1 gene and inserting an alpha-1,2-mannosidase gene; vector-mediated gene transfer and expression in host cell for strain improvement and glycoprotein preparation
AU KOBAYASHI K; KITAGAWA Y; KOMEDA T; KAWASHIMA N; JIGAMI Y; CHIBA Y
PA KIRIN BEER KK; NAT INST ADVANCED IND SCI and TECHNOLOGY
PI WO 2003091431 6 Nov 2003
AI WO 2003-JP5464 28 Apr 2003
PRAI JP 2002-127677 26 Apr 2002; JP 2002-127677 26 Apr 2002
DT Patent
LA Japanese
OS WPI: 2003-854401 [79]

L6 ANSWER 2 OF 27 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
AN 2003-12361 BIOTECHDS
TI New polypeptide comprising *human mannosyl transferase*, useful for diagnosing or predicting the susceptibility to a bipolar disorder and for identifying a compound that modulates the activity of a *mannosyl transferase*; expression profiling, transgenic mouse and drug screening for disorder diagnosis and gene therapy
AU EVANS G A
PA EGEA BIOSCIENCES INC
PI WO 2003012064 13 Feb 2003
AI WO 2002-US24490 2 Aug 2002
PRAI US 2001-922225 2 Aug 2001; US 2001-922225 2 Aug 2001
DT Patent
LA English
OS WPI: 2003-268116 [26]

L6 ANSWER 3 OF 27 WPIDS COPYRIGHT 2004 THOMSON DERWENT on STN
AN 2003-903363 [82] WPIDS
DNC C2003-256830
TI Inhibition of the production of inflammatory cytokines for treating inflammatory disorders e.g. osteoarthritis involves administration of an inhibitor of N-glycosylation of proteins.
DC B03
IN GANU, V S; HU, S; KIMBLE, E F
PA (NOVS) NOVARTIS AG; (NOVS) NOVARTIS PHARMA GMBH
CYC 90
PI WO 2003090758 A1 20031106 (200382)* EN 13p A61K031-70
RW: AT BE BG CH CY CZ DE DK EA EE ES FI FR GB GR HU IE IT LU MC NL PT
RO SE SI SK TR
W: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK
DM DZ EC EE ES FI GB GD GE GH HR HU ID IL IN IS JP KE KG KP KR KZ

SK TJ TM TN TR TT UA US UZ VC VN YU ZA ZW
ADT WO 2003090758 A1 WO 2003-EP4342 20030425
PRAI US 2002-375935P 20020426
IC ICM A61K031-70
ICS A61P029-00
.
L6 ANSWER 4 OF 27 MEDLINE on STN
AN 2003469976 MEDLINE
DN PubMed ID: 14532067
TI Molecular analysis of the rfb O antigen gene cluster of salmonella
enterica serogroup O:6,14 and development of a serogroup-specific PCR
assay.
AU Fitzgerald Collette; Sherwood Rachel; Gheesling Linda L; Brenner Frances
W; Fields Patricia I
CS Foodborne and Diarrheal Diseases Branch, Division of Bacterial and Mycotic
Diseases, National Center for Infectious Diseases, Centers for Disease
Control and Prevention, Atlanta, Georgia 30333, USA.. chf3@cdc.gov
SO Applied and environmental microbiology, (2003 Oct) 69 (10) 6099-105.
Journal code: 7605801. ISSN: 0099-2240.
CY United States
DT (EVALUATION STUDIES)
Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AY334017
EM 200402
ED Entered STN: 20031009
Last Updated on STN: 20040204
Entered Medline: 20040203

L6 ANSWER 5 OF 27 EMBASE COPYRIGHT 2004 ELSEVIER INC. ALL RIGHTS RESERVED.
on STN
AN 2003493394 EMBASE
TI Morphogenesis of type II lissencephaly: Neuropathology, genetics and
pathomechanisms.
AU Stoltenburg-Didinger G.; Steinbrecher A.
CS G. Stoltenburg-Didinger, Department of Neuropathology, Univ. Hospital
Benjamin Franklin, Hindenburgdamm 30, D-12200 Berlin, Germany.
gsd@zedat.fu-berlin.de
SO Neuroembryology, (2003) 2/1 (32-39).
Refs: 49
ISSN: 1424-8522 CODEN: NEURHP
CY Switzerland
DT Journal; (Short Survey)
FS 005 General Pathology and Pathological Anatomy
008 Neurology and Neurosurgery
021 Developmental Biology and Teratology
022 Human Genetics
LA English
SL English

L6 ANSWER 6 OF 27 SCISEARCH COPYRIGHT 2004 THOMSON ISI on STN
AN 2003:32754 SCISEARCH
GA The Genuine Article (R) Number: 626FW
TI Characterization of POMT2, a novel member of the PMT protein
O-mannosyltransferase family specifically localized to the acrosome of
mammalian spermatids
AU Willer T; Amselgruber W; Deutzmann R; Strahl S (Reprint)
CS Univ Regensburg, Lehrstuhl Zellbiol & Pflanzenphysiol, D-93040 Regensburg,
Germany (Reprint); Univ Hohenheim, Inst Anat & Physiol Haustiere, D-70593
Stuttgart, Germany; Univ Regensburg, Lehrstuhl Biochem, D-93040
Regensburg, Germany
CYA Germany
SO GLYCOBIOLOGY, (NOV 2002) vol. 12, No. 11, pp. 771-783.
Publisher: OXFORD UNIV PRESS INC, JOURNALS DEPT, 2001 EVANS RD, CARY, NC
27513 USA.
ISSN: 0959-6658.
DT Article; Journal
LA English
REC Reference Count: 59
ABSTRACT IS AVAILABLE IN THE ALL AND IALL FORMATS

L6 ANSWER 7 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 2002:609035 BIOSIS
DN PREV200200609035

gene pimB alters the mycobacterial cell wall and leads to enhanced macrophage killing.
 AU DesJardin, L. E. [Reprint author]; MacNeil, J.; Kaufman, T.; Kutzbach, B.;
 CS Besra, G.; Gurucha, S.; Clegg, S.; Schlesinger, L. [Reprint author]
 SD Veterans Admin. Medical Center and University of Iowa, Iowa City, IA, USA
 Abstracts of the General Meeting of the American Society for Microbiology,
 (2002) vol. 102, pp. 488. print.
 Meeting Info.: 102nd General Meeting of the American Society for
 Microbiology. Salt Lake City, UT, USA. May 19-23, 2002. American Society
 for Microbiology.
 ISSN: 1060-2011.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 27 Nov 2002
 Last Updated on STN: 27 Nov 2002

L6 ANSWER 8 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 2002:606864 BIOSIS
 DN PREV200200606864
 TI Evidence for genetic heterogeneity of the Walker Warburg Syndrome, a
 disorder of neuronal migration.
 AU Carrier, S. [Reprint author]; de Bernabe, D. B. Valero; Kim, S. [Reprint
 author]; Bodell, A. [Reprint author]; Huang, D. [Reprint author]; Cherry,
 T. J. [Reprint author]; Dobyns, W. B.; Bokhoven, H. V.; Brunner, H. G.;
 Walsh, C. A. [Reprint author]
 CS Neurology, Beth Israel Deaconess Medical Center and Harvard Medical
 School, Boston, MA, 02115, USA
 SO American Journal of Human Genetics, (October, 2002) Vol. 71, No. 4
 Supplement, pp. 258. print.
 Meeting Info.: 52nd Annual Meeting of the American Society of Human
 Genetics. Baltimore, MD, USA. October 15-19, 2002. American Society of
 Human Genetics.
 CODEN: AJHGAG. ISSN: 0002-9297.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 27 Nov 2002
 Last Updated on STN: 27 Nov 2002

L6 ANSWER 9 OF 27 HCAPLUS COPYRIGHT 2004 ACS on STN
 AN 2002:706479 HCAPLUS
 DN 137:243092
 TI ***Human*** mannosyltransferase sequence homolog, protein and cDNA
 sequences, recombinant production and diagnostic and therapeutic uses
 IN Mao, Yumin; Xie, Yi
 PA Shengyuan Gene Development Co., Ltd., Peop. Rep. China
 SO Faming Zhuanli Shenqing Gongkai Shuomingshu, 24 pp.
 CODEN: CNXXEV

DT Patent
 LA Chinese

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	CN 1328145	A	20011226	CN 2000-116470	20000613
PRAI	CN 2000-116470		20000613		

L6 ANSWER 10 OF 27 MEDLINE on STN DUPLICATE 3
 AN 2001331294 MEDLINE
 DN PubMed ID: 11398981
 TI NMR studies of mannitol-terminating oligosaccharides derived by reductive
 alkaline hydrolysis from brain glycoproteins.
 AU Kogelberg H; Chai W; Feizi T; Lawson A M
 CS The Glycosciences Laboratory, Imperial College School of Medicine,
 Northwick Park Hospital, Harrow, Middlesex, UK.. h.kogelberg@ic.ac.uk
 SO Carbohydrate research, (2001 Apr 23) 331 (4) 393-401.
 Journal code: 0043535. ISSN: 0008-6215.
 CY Netherlands
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 EM 200111
 ED Entered STN: 20011105
 Last Updated on STN: 20011105
 Entered Medline: 20011101

=> D 9 AB

L6 ANSWER 9 OF 27 HCAPLUS COPYRIGHT 2004 ACS on STN
AB The invention relates to a ***human*** mannosyltransferase sequence
homolog, designated as mannosyltransferase (BioMTS) 32. The open reading
frame of the cDNA encodes a protein with 288 amino acids, and an estd.
mol. wt. of 32 kilodalton based on SDS-PAGE. The invention provides the
use of polypeptide and polynucleotide in a method for treatment of various
kinds of diseases, such as cancer and immune disease. The invention also
relates to methods, expression vectors and host cells for recombinant
prodn. of said mannosyltransferase sequence homolog. The invention also
relates to agonist and antagonist of said mannosyltransferase sequence
homolog and uses in therapy.

=> D 11-20

L6 ANSWER 11 OF 27 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 2002:297907 HCAPLUS
DN 137:197983
TI Glycosyl transferases and glycosidases of glycoprotein biosynthesis with
emphasis on *Candida albicans* and *Entamoeba histolytica*
AU Lopez-Romero, Everardo; Flores-Carreón, Arturo; Arroyo-Flores, Blanca L.;
Torre-Bouscoulet, Ma. Eugenia; Bravo-Torres, Jose C.; Villagomez-Castro,
Julio C.; Balcazar-Orozco, Rosalia
CS Departamento de Genética y Biología Molecular, CINVESTAV del IPN, Mexico,
07000, Mex.
SO Recent Research Developments in Microbiology (2000), 4(Pt. 2), 667-681
CODEN: RDMIFR
PB Research Signpost
DT Journal
LA English
RE.CNT 117 THERE ARE 117 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L6 ANSWER 12 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
DUPLICATE 4
AN 1999:273434 BIOSIS
DN PREV199900273434
TI Recombinant ***human*** interleukin-12 is the second example of a
C-mannosylated protein.
AU Doucey, Marie-Agnes; Hess, Daniel; Blommers, Marcel J. J.; Hofsteenge, Jan
[Reprint author]
CS Friedrich Miescher-Institut, CH-4002, Basel, Switzerland
SO Glycobiology, (May, 1999) Vol. 9, No. 5, pp. 435-441. print.
ISSN: 0959-6658.
DT Article
LA English
ED Entered STN: 28 Jul 1999
Last Updated on STN: 28 Jul 1999

L6 ANSWER 13 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
AN 1999:324085 BIOSIS
DN PREV199900324085
TI *Cryptococcus neoformans* ***mannosyl*** ***transferase*** exhibits
appropriate specificity for a role in capsule synthesis.
AU Doering, T. L. [Reprint author]; Sommer, U. [Reprint author]
CS Cornell University Medical College, New York, NY, USA
SO Abstracts of the General Meeting of the American Society for Microbiology,
(1999) Vol. 99, pp. 302. print.
Meeting Info.: 99th General Meeting of the American Society for
Microbiology. Chicago, Illinois, USA. May 30-June 3, 1999. American
Society for Microbiology.
ISSN: 1060-2011.
DT Conference; (Meeting)
Conference; Abstract; (Meeting Abstract)
Conference; (Meeting Poster)
LA English
ED Entered STN: 24 Aug 1999
Last Updated on STN: 24 Aug 1999

L6 ANSWER 14 OF 27 MEDLINE on STN DUPLICATE 5
AN 1999296832 MEDLINE
DN PubMed ID: 10366449

abdomen gene (POMT1) encoding a putative protein O- ***mannosyl*** -
 transferase, and assignment to ***human*** chromosome 9q34.1.

AU Jurado L A; Coloma A; Cruces J
 CS Facultad de Medicina, Universidad Autonoma de Madrid, Madrid, 28029,
 Spain.. lpjurado@mvax.fmed
 SO Genomics, (1999 Jun 1) 58 (2) 171-80.
 Journal code: 8800135. ISSN: 0888-7543.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-AF095136; GENBANK-AF095137; GENBANK-AF095138; GENBANK-AF095139;
 GENBANK-AF095140; GENBANK-AF095141; GENBANK-AF095142; GENBANK-AF095143;
 GENBANK-AF095144; GENBANK-AF095145; GENBANK-AF095146; GENBANK-AF095147;
 GENBANK-AF095148; GENBANK-AF095149; GENBANK-AF095150
 EM 199908
 ED Entered STN: 19990827
 Last Updated on STN: 19990827
 Entered Medline: 19990816

L6 ANSWER 15 OF 27 BIOTECHDS COPYRIGHT 2004 THOMSON DERWENT/ISI on STN
 AN 1998-09340 BIOTECHDS
 TI Expression cassette for producing glycosyltransferase in secretable form;
 lacking membrane anchor and Golgi retention signal, used for
 oligosaccharide production
 AU Paulson J G; Ujita-Lee E; Colley K J; Adler B; Browne J K; Weinstein J
 PA Univ.California
 LO Oakland, CA, USA.
 PI US 5776772 7 Jul 1998
 AI US 1996-593865 30 Jan 1996
 PRAI US 1996-593865 30 Jan 1996
 DT Patent
 LA English
 OS WPI: 1998-398046 [34]

L6 ANSWER 16 OF 27 MEDLINE on STN DUPLICATE 6
 AN 1998301633 MEDLINE
 DN PubMed ID: 9636208
 TI Molecular analysis of CaMnt1p, a ***mannosyl*** ***transferase***
 important for adhesion and virulence of Candida albicans.
 AU Buurman E T; Westwater C; Hube B; Brown A J; Odds F C; Gow N A
 CS Department of Molecular and Cell Biology, Institute of Medical Sciences,
 University of Aberdeen, Foresterhill, Aberdeen AB25 2ZD, United Kingdom.
 SO Proceedings of the National Academy of Sciences of the United States of
 America, (1998 Jun 23) 95 (13) 7670-5.
 Journal code: 7505876. ISSN: 0027-8424.
 CY United States
 DT Journal; Article; (JOURNAL ARTICLE)
 LA English
 FS Priority Journals
 OS GENBANK-X99619
 EM 199808
 ED Entered STN: 19980817
 Last Updated on STN: 19980817
 Entered Medline: 19980806

L6 ANSWER 17 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN
 AN 1998:384158 BIOSIS
 DN PREV199800384158
 TI Protein-O-mannosylation: From yeast to man?
 AU Tanner, W.; Gentzsch, M.; Strahl-Bolsinger, S.
 CS Lehrstuhl Zellbiol. Pflanzenphysiol., Univ. Regensburg, 93040 Regensburg,
 Germany
 SO European Journal of Cell Biology, (1998) Vol. 75, No. SUPPL. 48, pp. 16.
 print.
 Meeting Info.: 22nd Annual Meeting of the Deutsche Gesellschaft fuer
 Zellbiologie (German Society for Cell Biology). Saarbruecken, Germany.
 March 15-19, 1998. German Society for Cell Biology.
 CODEN: EJCBND. ISSN: 0171-9335.
 DT Conference; (Meeting)
 Conference; Abstract; (Meeting Abstract)
 LA English
 ED Entered STN: 2 Sep 1998
 Last Updated on STN: 2 Sep 1998

AN 97:107574 LIFESCI
TI ***Human*** and *Saccharomyces cerevisiae* dolichol phosphate mannose
synthases represent two classes of the enzyme, but both function in
Schizosaccharomyces pombe
AU Colussi, P.A.; Taron, C.H.; Mack, J.C.; Orlean, P.*
CS Dep. Biochem., Univ. Illinois, 309 Roger Adams Lab., 600 South Mathews
Ave., Urbana, IL 61801, USA
SO PROC. NATL. ACAD. SCI. USA, (19970700) vol. 94, no. 15, pp. 7873-7878.
ISSN: 0027-8424.
DT Journal
FS N; G; K
LA English
SL English

L6 ANSWER 19 OF 27 MEDLINE on STN DUPLICATE 7
AN 1998066757 MEDLINE
DN PubMed ID: 9403053
TI A 2.5-Mb transcript map of a tumor-suppressing subchromosomal transferable
fragment from 11p15.5, and isolation and sequence analysis of three novel
genes.
AU Hu R J; Lee M P; Connors T D; Johnson L A; Burn T C; Su K; Landes G M;
Feinberg A P
CS Department of Medicine, Johns Hopkins University School of Medicine,
Baltimore, Maryland 21205, USA.
NC CA54358 (NCI)
SO Genomics, (1997 Nov 15) 46 (1) 9-17.
Journal code: 8800135. ISSN: 0888-7543.
CY United States
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
OS GENBANK-AF019952; GENBANK-AF019953
EM 199801
ED Entered STN: 19980129
Last Updated on STN: 19980129
Entered Medline: 19980113

L6 ANSWER 20 OF 27 HCAPLUS COPYRIGHT 2004 ACS on STN
AN 1996:626796 HCAPLUS
DN 125:267217
TI PIG-B, a membrane protein of the endoplasmic reticulum with a large
luminal domain, is involved in transferring the third mannose of the GPI
anchor
AU Takahashi, M.; Inoue, N.; Ohishi, K.; Maeda, Y.; nakamura, N.; Endo, Y.;
Fujita, T.; Takeda, J.; Kinoshita, T.
CS Research Institute for Microbial Diseases, Osaka University, Suita, 565,
Japan
SO EMBO Journal (1996), 15(16), 4254-4261
CODEN: EMJODG; ISSN: 0261-4189
PB Oxford University Press
DT Journal
LA English

=> D 14, 17, 18 AB

L6 ANSWER 14 OF 27 MEDLINE on STN DUPLICATE 5
AB We have isolated a ***human*** gene homologous to *Drosophila*
melanogaster rotated abdomen, rt, a poorly viable recessive mutation
causing a clockwise twisted abdomen in affected flies due to defects in
embryonic muscle development. The ***human*** gene, like rt, encodes
a protein with high homology to the yeast ***mannosyl*** -
transferases (Pmts) and has been named POMT1. POMT1 is expressed
as a 3.1-kb transcript in all tissues tested, with highest levels in
testis and fetal brain. Alternative splicing of several exons in all
tissues predicts the generation of several protein isoforms. The most
common mRNA variant encodes a 725-aa protein with 40% identity and 62.5%
similarity to rt, as well as 30.5% identity and 54% similarity to yeast
Pmts. Computer prediction of protein sorting suggests that the POMT1
product could be an integral protein of the endoplasmic reticulum
membrane. Given the strong conservation of protein motifs between POMT1
and the yeast Pmts, POMT1 may function as a ***mannosyl*** -
transferase involved in O-mannosylation of proteins, being the
first of such a class found in mammals. The POMT1 locus has been assigned
to ***human*** chromosome 9q34.1 by somatic cell hybrids, radiation

could be a candidate for uncharacterized genetic disorders of the muscular system, such as some forms of congenital muscular dystrophy or congenital myopathy.
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L6 ANSWER 17 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

L6 ANSWER 18 OF 27 LIFESCI COPYRIGHT 2004 CSA on STN

AB Dolichol phosphate mannose (Dol-P-Man), formed upon transfer of Man from GDPMan to Dol-P, is a mannosyl donor in pathways leading to N-glycosylation, glycosyl phosphatidylinositol membrane anchoring, and O-mannosylation of protein. Dol-P-Man synthase is an essential protein in *Saccharomyces cerevisiae*. We have cloned cDNAs encoding ***human*** and *Schizosaccharomyces pombe* proteins that resemble *S. cerevisiae* Dol-P-Man synthase. Disruption of the gene for the *S. pombe* Dol-P-Man synthase homolog, *dpml* super(+), is lethal. The known Dol-P-Man synthase sequences can be divided into two classes. One contains the *S. cerevisiae*, *Ustilago maydis*, and *Trypanosoma brucei* enzymes, which have a COOH-terminal hydrophobic domain, and the other contains the ***human***, *S. pombe*, and *Caenorhabditis* synthases, which lack a hydrophobic COOH-terminal domain. The two classes of synthase are functionally equivalent, because *S. cerevisiae* DPM1 and its ***human*** counterpart both complement the lethal null mutation in *S. pombe* *dpml* super(+). The findings that Dol-P-Man synthase is essential in yeast and that the *Ustilago* and *Trypanosoma* synthases are in a different class from the ***human*** enzyme raise the possibility that Dol-P-Man synthase could be exploited as a target for inhibitors of pathogenic eukaryotic microbes.

=> D 21-27

L6 ANSWER 21 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1984:316035 BIOSIS

DN PREV198478052515; BA78:52515

TI LIPID MEDIATED GLYCOSYLATION IN ***HUMAN*** LIVER CHARACTERIZATION OF THE ENZYMATIC TRANSFER OF N ACETYL GLUCOSAMINE FROM UDP N ACETYL GLUCOSAMINE AND MANNOSE FROM GDP MANNOSE TO DOLICHYL PHOSPHATE.

AU ALHADEFF J A [Reprint author]; WATKINS P

CS DEP CHEM, SEELEY G MUDD BLDG, LEHIGH UNIV, BETHLEHAM, PA 18015, USA

SO Enzyme (Basel), (1984) Vol. 31, No. 2, pp. 90-103.

CODEN: ENZYBT. ISSN: 0013-9432.

DT Article

FS BA

LA ENGLISH

L6 ANSWER 22 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1984:219750 BIOSIS

DN PREV198477052734; BA77:52734

TI LIPID BOUND SUGARS IN MALIGNANT ***HUMAN*** BREAST TUMORS PARTIAL CHARACTERIZATION OF ***MANNOSYL*** ***TRANSFERASE*** AND GLUCOSYL TRANSFERASE ACTIVITIES.

AU SANTA CRUZ A R [Reprint author]; QUESADA ALLUE L A; BALDI A

CS INST BIOLOGIA AND MEDICINA EXP, FUNDACION CAMPOMAR, OBLIGADO 2490, 1428

BUENOS AIRES, ARGENTINA

SO Molecular and Cellular Biochemistry, (1983) Vol. 56, No. 1, pp. 55-66.

CODEN: MCBIB8. ISSN: 0300-8177.

DT Article

FS BA

LA ENGLISH

L6 ANSWER 23 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1984:283911 BIOSIS

DN PREV198478020391; BA78:20391

TI DOLICHYL PHOSPHATE ***MANNOSYL*** ***TRANSFERASE*** AND DOLICHYL PHOSPHATE N ACETYL GLUCOSAMINYL TRANSFERASE ACTIVITIES IN LIVER PREPARATIONS FROM NORMAL CONTROLS AND PATIENTS WITH CYSTIC FIBROSIS AND DIABETES MELLITUS.

AU ALHADEFF J A [Reprint author]; WATKINS P

CS DEP CHEMISTRY, SEELEY G MUDD BUILD, LEHIGH UNIV, BETHLEHEM, PA 18015, USA

SO Clinica Chimica Acta, (1983) Vol. 134, No. 1-2, pp. 1-10.

CODEN: CCATAR. ISSN: 0009-8981.

DT Article

FS BA

LA ENGLISH

AN 1983:231396 BIOSIS
DN PREV198375081396; BA75:81396
TI MANNOSYLATION OF GLYCO PROTEINS AND DOLICHOL DERIVATIVES IN FIBROBLASTS FROM PATIENTS WITH CYSTIC FIBROSIS.
AU BEN-YOSEPH Y [Reprint author]; DEFRANCO C L; NADLER H L
CS DEP PEDIATR, GENETIC RES LAB, SCOTT HALL ROOM 3136, WAYNE STATE UNIV SCH MED, 540 E CANFIELD AVE, DETROIT, MI 48201, USA
SO Biochimica et Biophysica Acta, (1982) Vol. 718, No. 2, pp. 172-176.
CODEN: BBACAQ. ISSN: 0006-3002.
DT Article
FS BA
LA ENGLISH

L6 ANSWER 25 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN DUPLICATE 8

AN 1980:187500 BIOSIS
DN PREV198069062496; BA69:62496
TI METABOLIC ISOTOPIC LABELING OF PLASMA MEMBRANE GLYCO PROTEINS FROM NORMAL GLANZMANN AND BERNARD SOULIER PLATELETS.
AU SPITZ-CASTRO R [Reprint author]; MICHELENA V; SORRIBES V; RODRIGUEZ P
CS DEP BIOQUIM, CEN BIOFIS BIOQUIM, APDO 1827, CARACAS 101, VENEZ
SO Thrombosis Research, (1979) Vol. 16, No. 5-6, pp. 715-726.
CODEN: THBRAA. ISSN: 0049-3848.
DT Article
FS BA
LA ENGLISH

L6 ANSWER 26 OF 27 MEDLINE on STN

AN 73034758 MEDLINE
DN PubMed ID: 4673482
TI Biosynthesis of glycoproteins in the aortic wall. Study of intima microsomic ***mannosyl*** - ***transferase*** activity.
AU Richard M; Broquet P; Louisot P
SO Journal of molecular and cellular cardiology, (1972 Oct) 4 (5) 465-75.
Journal code: 0262322. ISSN: 0022-2828.
CY ENGLAND: United Kingdom
DT Journal; Article; (JOURNAL ARTICLE)
LA English
FS Priority Journals
EM 197301
ED Entered STN: 19900310
Last Updated on STN: 19970203
Entered Medline: 19730109

L6 ANSWER 27 OF 27 BIOSIS COPYRIGHT 2004 BIOLOGICAL ABSTRACTS INC. on STN

AN 1972:106286 BIOSIS
DN PREV197253006286; BA53:6286
TI THE BIOSYNTHESIS OF GLYCO PROTEINS PART 21 STUDY OF THE MICROSOMAL ***MANNOSYL*** ***TRANSFERASE*** OF SPLENOCYTES.
AU RICHARD M; BROQUET P; GOT R; LOUISOT P
SO Biochimie (Paris), (1971) Vol. 53, No. 1, pp. 107-112.
CODEN: BICMBE. ISSN: 0300-9084.
DT Article
FS BA
LA Unavailable

=> DIS HIS

(FILE 'HOME' ENTERED AT 18:51:36 ON 07 MAR 2004)

FILE 'MEDLINE, SCISEARCH, LIFESCI, BIOTECHDS, BIOSIS, EMBASE, HCAPLUS, NTIS, ESBIODBASE, BIOTECHNO, WPIDS' ENTERED AT 18:52:02 ON 07 MAR 2004

L1 718 S MANNOSYL TRANSFERASE
L2 47 S SACCHAROMYCES AND ALG9
L3 7 S L2 AND L1
L4 1 DUP REM L3 (6 DUPLICATES REMOVED)
L5 53 S L1 AND HUMAN
L6 27 DUP REM L5 (26 DUPLICATES REMOVED)

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